

INTERNATIONAL SEARCH REPORT

Int'l Application No

PCT/JP2004/007535

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L33/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 498 355 B1 (HARRAH SHANE ET AL) 24 December 2002 (2002-12-24) column 2, line 49 - column 5, line 39; figure 2	1,2,5, 8-10
Y		3,4,6,7, 11-14,
A		21,25-27 15-20, 22-24
Y	US 5 172 301 A (SCHNEIDER MARK R) 15 December 1992 (1992-12-15) column 2, line 62 - column 5, line 2; figures 2-6	3,4,6,7, 26,27
A		1,2,5, 8-25
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search

3 November 2004

Date of mailing of the international search report

12/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	PATENT ABSTRACTS OF JAPAN vol. 008, no. 049 (E-230), 6 March 1984 (1984-03-06) -& JP 58 201383 A (FUJITSU KK), 24 November 1983 (1983-11-24) abstract	11-14
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Y	PATENT ABSTRACTS OF JAPAN vol. 016, no. 236 (E-1210), 29 May 1992 (1992-05-29) -& JP 04 048740 A (MATSUSHITA ELECTRIC IND CO LTD), 18 February 1992 (1992-02-18) abstract	21,25
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A	EP 1 139 439 A (RELUME CORP) 4 October 2001 (2001-10-04) paragraph '0016! - paragraph '0031!; figure 2	1-27
A	US 6 501 103 B1 (HSING CHEN CHEN-LUN ET AL) 31 December 2002 (2002-12-31) column 1, line 61 - column 2, line 34; figure 3	1-27
A	US 6 159 764 A (BROOKS JERRY M ET AL) 12 December 2000 (2000-12-12) column 4, line 51 - column 8, line 63; figures 1A-1C	1-27
A	EP 0 836 227 A (HEWLETT PACKARD CO) 15 April 1998 (1998-04-15) column 5, line 37 - column 7, line 3; figures 5,6	1-27

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Information on patent family members

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PCT/JP2004/007535	

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